

## CURRICULUM VITAE



### A. PERSONAL DETAILS

<b>Name</b>	Nuryantizpura Mohamad Rais
<b>Address</b>	No 39-E Taman Dato Shahardin 71900 Labu Negeri Sembilan Malaysia
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### B. ACADEMIC QUALIFICATION

<b>I. Doctor of Philosophy (PhD)</b>			
<b>Institution</b>	Universiti Teknologi MARA (UiTM) Malaysia Institute of Transport (MITRANS) 40450 Shah Alam Selangor, Malaysia	<b>Qualification</b>	Doctor of Philosophy in Logistic and Transport
<b>Entrance Year</b>	December 2010	<b>Passed Viva</b>	November 2015
<b>Thesis Title</b>	Development of Mechanistic-Empirical Distress Prediction Model for the Performance of Superpave Designed Asphalt Pavement Using Simplified Dynamic Modulus Analysis Method		
<b>II. Master Degree</b>			
<b>Institution</b>	Universiti Putra Malaysia (UPM) Faculty of Engineering 43400 Serdang Selangor, Malaysia	<b>Qualification</b>	Master of Highway and Transportation Engineering
<b>Entrance Year</b>	July 2008	<b>Graduation Year</b>	October 2010
<b>III. Bachelor Degree</b>			
<b>Institution</b>	Universiti Teknologi MARA (UiTM)	<b>Qualification</b>	Bachelor of Engineering (Hons.) Civil

	Faculty of Civil Engineering 40450 Shah Alam Selangor, Malaysia		
<b>Entrance Year</b>	June 2005	<b>Graduation Year</b>	November 2007
<b>IV. Diploma</b>			
<b>Institution</b>	Universiti Teknologi MARA (UiTM) Faculty of Civil Engineering 40450 Shah Alam Selangor, Malaysia	<b>Qualification</b>	Diploma in Civil Engineering
<b>Entrance Year</b>	December 2001	<b>Graduation Year</b>	April 2005
<b>V. Other</b>			
<b>Institution</b>	International English Language Testing System (IELTS)	<b>Qualification</b>	Band 6.5
<b>Entrance Year</b>	May 2011	<b>Passed Exam</b>	July 2011

### C. PROFESIONAL MEMBERSHIP

<b>Board</b>	Board of Engineers Malaysia (BEM)	<b>Registration No.</b>	69682A
<b>Association</b>	Road Engineering Association of Asia & Australasia (REAAA)	<b>Registration No.</b>	0.3584
<b>Institute</b>	The Institution of Engineers, Malaysia (IEM)	<b>Registration No.</b>	95898

### D. COMPUTER LITERACY

Experience in various computer software's such as:

- Microsoft Office: Microsoft Word, Microsoft Project, and Power Point
- Engineering Software included AutoCAD, Esteem
- Programming included Excel VBA, Solver Function
- Statistical analysis using SPSS
- Website Development using Wordpress and Jomla
- Knowledge in Geographical Information System (GIS)

<b>I. October 2010 – February 2015</b>	
<b>Center of Excellence</b>	Malaysia Institute of Transport (MITRANS) Universiti Teknologi Mara (UiTM) Shah Alam 40450 Shah Alam Selangor, Malaysia
<b>Position</b>	Research Assistant
<b>Field</b>	<ul style="list-style-type: none"> <li>▪ Pavement Engineering</li> <li>▪ Highway Engineering</li> <li>▪ Public Transport</li> <li>▪ Logistics</li> </ul>
<b>Role</b>	Involved with consultation, grant application, laboratory work, site observation & data collection, analysis & design, prepare technical report, oral and poster presentation, organize workshops, academic promotion.

#### **E. PROFESIONAL CAREER EXPERIENCES**

<b>II. March 2015 – June 2016</b>	
<b>University</b>	Linton University College KTG Education Group 71700 Mantin Negeri Sembilan, Malaysia
<b>Position</b>	Lecturer
<b>School</b>	Civil Engineering
<b>Role</b>	Teaching, prepare assignment and exam question, mentoring, supervise students, final year project panel, marking, prepare course file for MQA.
<b>Subject Taught</b>	<ol style="list-style-type: none"> <li>1. Element of Building Construction (Foundation)</li> <li>2. Material Science (Diploma)</li> <li>3. Highway and Traffic Engineering (Diploma)</li> <li>4. Transportation for Cost and the Built Environment (HND)</li> <li>5. Highway Engineering (Degree)</li> <li>6. Traffic Engineering (Degree)</li> <li>7. Strength of Materials (Degree)</li> <li>8. Highway Engineering A (Leeds Beckett University Franchise Program-Degree)</li> <li>9. Highway Engineering B (Leeds Beckett University Franchise Program-Degree)</li> <li>10. Pavement Analysis and Design (Master)</li> <li>11. Urban and Transportation Planning (Master)</li> <li>12. Transportation Engineering (Degree)</li> <li>13. Civil Engineering Management B (Leeds Beckett University Franchise Program-Degree)</li> </ol>

<b>Other(s) )</b>	<b><u>Civil Engineering Society (CES) Principal Advisor</u></b>
	<b>Role:</b> Advise the student committee members in academic and non-academic activities inside and outside the University. The activities included committee meeting, open discussion, bridge competition, bowling tournament, AutoCad and StaadPro Workshop, visit to road stone quarry, visit to Indah Water Consortium, design & sell shirt and organize formal farewell dinner.

## F. TRAINING AND SPECIAL PROJECTS

<b>I. Visiting Exchange Scholar</b> November 2014 – January 2015 (3 months)	
<b>Location</b>	National Center for Asphalt Technology (NCAT) Auburn University 36830 Alabama UNITED STATES
<b>Activities</b>	<ul style="list-style-type: none"> <li>• Test Track Visit and involved in Albedo project.</li> <li>• Test samples on fatigue cracking and rutting.</li> <li>• Writing collaboration on Literature on Fatigue Cracking Test Equipment.</li> <li>• Project involvement in 100% Recycled Asphalt Pavement (RAP) using Cold in Place method.</li> </ul>
<b>II. Visiting Lecturer</b> May 2015-June 2015 (1 month)	
<b>Location</b>	Fujian Chuazheng Communication College (FCCC) Changshan District 350007 Fuzhou CHINA
<b>Subject taught</b>	Road Engineering
<b>III. Freelance Materials Engineer</b> January 2014 - 2016	
<b>Location</b>	Malaysia Airports Holdings Berhad Malaysia Airports Corporate Office Persiaran Korporat KLIA 64000 KLIA, Sepang, Selangor MALAYSIA
<b>Role</b>	Involves in cored sample testing for Airport Runaway in Malaysia. The test included specific gravity analysis, indirect tensile test, flow and stability and creep analysis.

<b>IV. Academic Writer</b> - Global Scholar Solutions Academic Writer December 2015 - 2017
<b>V. Creative Writer</b> - Unlock Design International Creative Writer November 2016 - 2017
<b>VI. Website Developer</b> – Dasar Nilai Sdn Bhd Research, develop, plan, propose and analyze all kinds of sources for a greater Website. December 2016 - 2017

## G. TRAINING AND SPECIAL PROJECTS (Continue)

<b>VII. Assistant Auditor</b> November 2017 – Current
Road Safety Audit Stage 1 to Stage 5 Project Jambatan ke Valdor Menyeberangi Sungai Tengah Serta Sambungan Jalan Sediaada di Batu Kawan, Pulau Pinang.
<b>VIII. Consultant</b> January 2018 - Current
Rail Track Capacity for KTMB Network, Present and Future

## H. RESEARCH INTERESTS BUT NOT LIMITED TO:

<b>Transportation Engineering</b>	<ul style="list-style-type: none"> <li>• Customer Satisfaction Index (CSI).</li> <li>• Quality of Service fix and response transit.</li> <li>• Sustainable transportation</li> </ul>
<b>Traffic Engineering</b>	<ul style="list-style-type: none"> <li>• Horizontal and vertical alignment.</li> <li>• Highway capacity design.</li> </ul>
<b>Pavement Engineering</b>	<ul style="list-style-type: none"> <li>• Mechanistic-Empirical pavement design.</li> <li>• Superpave and Marshall Mix Design.</li> <li>• Pavement Distress (rutting and fatigue).</li> <li>• Sustainable pavements.</li> </ul>
<b>Road Safety</b>	<ul style="list-style-type: none"> <li>• Road Safety Audit (RSA).</li> <li>• Road safety countermeasure and intervention.</li> </ul>

## I. PUBLICATIONS

<b>II. Book</b>
<ul style="list-style-type: none"><li>• Innovation in Supply Chain (Co-author) Universiti Teknologi Mara (UiTM) December 2010</li></ul>
<b>III. Magazine</b>
<ul style="list-style-type: none"><li>• Railway Services in Klang Valley: Overview of Public Feedback Institute of Engineers Malaysia (IEM) Transportation Issue October 2010</li></ul>
<b>IV. Conference</b>
<ul style="list-style-type: none"><li>• Dynamic Modulus Master Curve: An Overview of Refining Methodology National Postgraduates Conference Universiti Teknologi Mara (UiTM) Shah Alam Selangor, MALAYSIA April 2011</li><li>• Dynamic Modulus for Material Characterization World Research &amp; Innovation Convention on Engineering &amp; Technology (WRICET) Serdang, Selangor, MALAYSIA December 2012</li><li>• Superpave Grading for High Traffic Volumetric Criteria 2013 IEEE Business, Engineering &amp; Industrial Applications Colloquium (BEIAC 2013) Langkawi, Kedah, MALAYSIA April 2013</li><li>• Dynamic Modulus Master Curve Construction Using the Modified MEPDG Model 2013 IEEE 1st International Conference on Artificial Intelligence, Modelling and Simulation (AIMS2013) Kota Kinabalu, Sabah, MALAYSIA December 2013</li></ul>
<b>V. Journal</b>
<ul style="list-style-type: none"><li>• <b>Simplified Dynamic Modulus Analysis Method</b> Transportation Research Board (TRB) Washington, United States January 2018</li><li>• <b>Effect of Blending Temperature and Blending Time on Physical Properties of NRL-Modified Bitumen</b></li></ul>

International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 13 (2017) pp. 3844-3849 © Research India Publications. <http://www.ripublication.com>

- **Polymer Modified Bitumen Using Sewage Sludge Ash (SSA)**  
IJISSET - International Journal of Innovative Science, Engineering & Technology, Vol. 4 Issue 6, June 2017 **ISSN (Online) 2348 – 7968 | Impact Factor (2016) – 5.264** [www.ijiset.com](http://www.ijiset.com)